

Appendix B

Existing and Planned PM_{2.5} Monitoring Network in California

FRM: Federal Reference Method (FRM) PM_{2.5} sequential or single-channel mass sampler.

CMM: PM_{2.5} continuous mass monitor. Most, if not all, of these are beta-attenuation monitors (BAMs).

Speciation: 24-hour (filter-based) and 1-Hour (continuous) speciation monitors. All 1-hour speciation monitors are planned. Most of the 24-hour speciation monitors are Spiral Aerosol Speciation Samplers (SASS).

Bold Monitor is designated a National Air Monitoring Station (NAMS) monitor.

Site Name (by MPA)		AIRS Site ID	Operating Agency*	Mass		Speciation	
				FRM	CMM	24-Hour	Continuous
Bay Area AQMD							
	Concord-2975 Treat Blvd	060130002	BA	Deployed (Collocated)			
	Fremont-Chapel Way	060011001	BA	Deployed			
	Livermore-793 Rincon Avenue	060010007	BA	Deployed	Deployed		
	Oakland area ¹		BA		Planned		
	Patterson Pass ²		BA		Planned		
	Point Reyes		IMPROVE		Deployed		
	Redwood City	060811001	BA	Deployed (Collocated)			
	San Francisco-Arkansas Street	060750005	BA	Deployed	Deployed		
	San Jose-4 th Street	060850004	BA	Deployed	Deployed	Deployed	Aethelometer
	San Jose-Tully Road	060852003	BA	Deployed			
	Santa Rosa-5 th Street	060970003	BA	Deployed			
	Vallejo-304 Tuolumne Street	060950004	BA	Deployed			
Coachella Valley							
	Indio-Jackson Street	060652002	SC	Deployed (Collocated)	Deployed		
	Palm Springs-Fire Station	060655001	SC	Deployed			
Great Basin Unified APCD							
	Keeler-Cerro Gordo Road	060271003	GBU	Deployed (Collocated)			
	Mammoth Lakes-Gateway HC	060510001	GBU	Deployed ³			
Imperial County APCD							
	Brawley-Main Street	060250003	IMP	Deployed			
	Calexico-East	060250006	ARB		Deployed		
	Calexico-Ethel Street	060250005	ARB	Deployed (Collocated)	Deployed (Collocated)	Planned	
	El Centro-9 th Street	060251003	IMP	Deployed			
Lake County Air Basin							
	Lakeport-Lakeport Blvd	060333001	LAK	Deployed			

¹ The ARB and the Bay Area AQMD will coordinate on the selection of a site in west Oakland.

² This site will replace the Altamont Pass site that was in operation during CRPAQS.

³ Mammoth Lakes, Quincy, and Portola are all potentially smoke-impacted and we have proposed that one should be designated as a NAMS. Before a decision can be made, the involved agencies will need to coordinate on this, and more data will be needed from the recently opened Mammoth Lakes site.

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Site Name (by MPA)		AIRS Site ID	Operating Agency*	Mass		Speciation	
				FRM	CMM	24-Hour	Continuous
Lake Tahoe Air Basin							
	Echo Summit	060170012	ARB	Deployed			
	South Lake Tahoe-Sandy Way	060170011	ARB	Deployed (Collocated)			
Mojave Desert Air Basin ⁴							
	Lancaster-W Pondera Street	060379002	MD	Deployed			
	Mojave-923 Poole Street	060290011	ARB	Deployed			
	Ridgecrest-Las Flores Avenue	060290012	KER	Deployed			
	Victorville-Armagosa Road	060710014	MD	Deployed (Collocated)			
Monterey Bay Unified APCD							
	Salinas #3	060531003	MBU	Deployed	Deployed		
	Santa Cruz-2544 Soquel Avenue	060870007	MBU	Deployed (Collocated)			
Mountain Counties Air Basin							
	Grass Valley-Litton Building	060570005	NSI	Deployed			
	Portola-161 Nevada Street	060631009	NSI	Deployed ³	Planned	Planned	
	Quincy-N Church Street	060631006	NSI	Deployed ³			
	San Andreas-Gold Strike Road	060090001	ARB	Deployed			
	Truckee-Fire Station	060571001	NSI	Deployed (Collocated)			
	Yosemite Village	060431001	tbd		Planned		
North Coast Air Basin							
	Eureka-Health Dept 6 th and I Street	060231002	NCU	Deployed			
	Ukiah-County Library	060450006	MEN	Deployed (Collocated)			
Northeast Plateau Air Basin							
	Alturas-W 4 th Street	060490001	SIS	Deployed			

⁴ This table does not include a Special Purpose Monitoring site located at Marine Corps Air Ground Combat Center, Twentynine Palms. The site will include continuous and gravimetric PM_{2.5} monitors. The site needs to be inspected and approved by the ARB's Monitoring and Laboratory Division before it is considered part of the routine network.

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			FRM	CMM	24-Hour	Continuous	
Sacramento Valley Air Basin							
Chico-Manzanita Avenue	060070002	ARB	Deployed	Planned (Collocated)	Planned	Aethelometer ⁵	
Colusa-Sunrise Blvd	060111002	ARB	Deployed				
Elk Grove-Bruceville Road	060670011	SAC		Deployed			
Folsom-Natoma Street	060670012	SAC		Planned			
Gridley	060074001	ARB		Deployed			
Redding-Health Dept Roof	060890004	SHA	Deployed				
Roseville-N Sunrise Blvd	060610006	ARB	Deployed				
Sacramento-Del Paso Manor	060670006	SAC	Deployed (Collocated)	Deployed	Deployed	Aethelometer, Nitrate	
Sacramento-Health Dept Stockton Blvd	060674001	SAC	Deployed				
Sacramento-T Street	060670010	ARB	Deployed	Deployed	Planned		
Woodland-Gibson Road	061131003	YS	Deployed				
Yuba City-Almond Street	061010003	ARB	Deployed (Collocated)				
San Diego County APCD							
Chula Vista	060730001	SD	Deployed				
El Cajon-Redwood Avenue	060730003	SD	Deployed		Deployed		
Escondido-E Valley Parkway	060731002	SD	Deployed	Deployed	Planned		
Otay Mesa-Paseo International	060732007			Deployed			
San Diego-12 th Avenue	060731007	SD	Deployed	Planned ⁶			
San Diego-Overland Avenue	060730006	SD	Deployed (Collocated)				

⁵ This site will receive a monitor only if sufficient monitors are available.

⁶ There may not be adequate space at the site to deploy this monitor. The air district and ARB are discussing the situation.

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			FRM	CMM	24-Hour	Continuous	
San Joaquin Valley Unified APCD							
Bakersfield-5558 California Avenue	060290014	ARB	Deployed (Collocated)	Deployed (Collocated planned)	Deployed	Aethelometer, Nitrate, Sulfate	
Bakersfield-1120 Golden State Highway	060290010	ARB	Deployed				
Bakersfield-410 E Planz Road	060290016	ARB	Deployed				
Clovis-N Villa Avenue	060195001	SJV	Deployed				
Corcoran-Patterson Avenue	060310004	SJV	Deployed			Aethelometer, Nitrate	
Fresno-1 st Street	060190008	ARB	Deployed (Collocated)	Deployed	Deployed	Aethelometer (2), Carbon, Nitrate (2), Sulfate	
Fresno-Pacific College	060192025	SJV	Deployed				
Merced-M Street	060472510	SJV	Deployed				
Modesto-814 14 th Street	060990005	ARB	Deployed	Planned	Planned	Aethelometer, Nitrate	
Stockton-Hazelton Street	060771002	ARB	Deployed				
Oakhurst		SJV				Aethelometer	
Tracy		SJV		Planned			
Visalia-N Church Street	061072002	ARB	Deployed	Planned	Planned	Aethelometer, Nitrate	
San Luis Obispo County APCD							
Atascadero-Lewis Avenue	060798001	SLO	Deployed (Collocated)				
San Luis Obispo-Marsh Street	060792002	ARB	Deployed				
Santa Barbara County APCD							
Santa Barbara-W Carillo Street	060830010	ARB	Deployed				
Santa Maria-Broadway	060831007	ARB	Deployed				
San Rafael Wilderness		IMPROVE		Planned			

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			FRM	CMM	24-Hour	Continuous	
South Coast Air Basin							
Anaheim area ⁷	060590001	SC	Deployed (Collocated)	Planned	PTEP Planned ⁸	Aethelometer, Nitrate	
Azusa	060370002	SC	Deployed	Planned		Nitrate ⁵	
Banning-South Hathaway Street	060650012	SC		Deployed			
Big Bear City-501 W Valley Blvd	060718001	SC	Deployed				
Burbank-W Palm Avenue	060371002	SC	Deployed	Deployed		Nitrate ⁵	
Fontana-Arrow Highway	060712002	SC	Deployed (Collocated)		PTEP Planned ⁸	Nitrate ⁵	
Los Angeles-North Main Street	060371103	SC	Deployed (Collocated)	Deployed	PTEP and SASS Planned ⁸	Aethelometer ⁵ Nitrate ⁵	
Lynwood	060371301	SC	Deployed				
Mission Viejo-26081 Via Pera	060592022	SC	Deployed				
North Long Beach ⁹	060374002	SC	Deployed ⁹				
Ontario-1408 Francis Street	060710025	SC	Deployed				
Pasadena-S Wilson Avenue	060372005	SC	Deployed				
Pico Rivera	060371601	SC	Deployed				
Reseda	060371201	SC	Deployed				
Riverside-Magnolia	060651003	SC	Deployed				
Riverside-Rubidoux	060658001	SC	Deployed (Collocated)	Deployed (Collocated planned)	SASS (2) Deployed PTEP Planned ⁸	Aethelometer, Nitrate	
San Bernardino-4 th Street	060719004	SC	Deployed				
South Long Beach area ⁹	New Site	SC	Planned ⁹	Planned ⁹			
Ventura County APCD							
El Rio-Rio Mesa School #2	061113001	VEN	Deployed				
Piru-Pacific Avenue	061110004	VEN	Deployed				
San Nicolas Island				Deployed			
Simi Valley-Cochran Street	061112002	VEN	Deployed	Planned	Planned		
Thousand Oaks-Moorpark Road	061110007	VEN	Deployed (Collocated)				

⁷ The South Coast AQMD is relocating the Anaheim-Harbor Blvd site to a new site in the Anaheim area.

⁸ The speciation network in the South Coast AQMD will include two types of filter-based speciation samplers, PTEP samplers and SASS samplers. Two sites, Los Angeles-North Main Street and Riverside-Rubidoux, will operate PTEP and SASS samplers in parallel.

⁹ The South Coast AQMD plans to move the PM_{2.5} FRM sampler from the North Long Beach site to a new site in the South Long Beach area, because special particulate studies conducted recently indicate that area better represents the expected maximum concentrations experienced in the greater Long Beach area.

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***Key to Operating Agency Codes:**

ARB	Air Resources Board
BA	Bay Area Air Quality Management District
GBV	Great Basin Valleys Unified Air Pollution Control District
IMP	Imperial County Air Pollution Control District
IMPROVE	IMPROVE Steering Committee
KER	Kern County Air Pollution Control District
LAK	Lake County Air Quality Management District
MBU	Monterey Bay Unified Air Pollution Control District
MD	Mojave Desert Air Quality Management District
MEN	Mendocino County Air Quality Management District
NCU	North Coast Unified Air Quality Management District
NSI	Northern Sierra Air Quality Management District
SAC	Sacramento Metropolitan Air Quality Management District
SC	South Coast Air Quality Management District
SD	San Diego County Air Pollution Control District
SHA	Shasta County Air Quality Management District
SIS	Siskiyou County Air Pollution Control District
SJV	San Joaquin Valley Unified Air Pollution Control District
SLO	San Luis Obispo County Air Pollution Control District
VEN	Ventura County Air Pollution Control District
YS	Yolo-Solano County Air Quality Management District